

**BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP**

TELEPHONE: (714) 557-3800

INTELLECTUAL PROPERTY LAW  
12400 WILSHIRE BOULEVARD, 7TH FLOOR  
LOS ANGELES, CA 90025

FACSIMILE: (714) 557-3347

**FACSIMILE COVER SHEET****RECEIVED**  
**CENTRAL FAX CENTER**  
**MAR 25 2005**

Deliver to: Brian Healy, USPTO Art Group: 2874  
Facsimile No.: 703.872-9306 Date: March 25, 2005  
From: William E. Alford, Reg. No. 37,764  
Our Docket No.: 3239P081D2 Number of pages 31 including this sheet.  
: 10/648,956 : 8/27/2003  
Docket Due Date(s): 3/28/2005

Enclosed are the following documents:

<input checked="" type="checkbox"/> Amendment: <u>Response</u> ( <u>24</u> pgs)	<input type="checkbox"/> Issue Fee Transmittal
<input type="checkbox"/> Appeal Brief ( <u>   </u> pgs)	<input type="checkbox"/> Notice of Appeal
<input type="checkbox"/> Application: <u>                                </u> ( <u>   </u> pgs) w/cover & abstract	<input type="checkbox"/> Petition for: <u>                                </u>
<input type="checkbox"/> Assignment & Cover Sheet ( <u>   </u> pgs)	<input type="checkbox"/> Request for Continued Examination (RCE)
<input checked="" type="checkbox"/> Certificate of Facsimile	<input type="checkbox"/> Reply Brief ( <u>   </u> pgs)
<input type="checkbox"/> Continued Prosecution Application (CPA)	<input type="checkbox"/> Request & Certification Under 35 USC 122(b)(2)(B)(i)
<input type="checkbox"/> Declaration & POA ( <u>   </u> pgs)	<input type="checkbox"/> Request to Rescind Previous Nonpublication Request
<input type="checkbox"/> Drawings: <u>   </u> sheets, <u>   </u> figures	<input type="checkbox"/> Response to Notice of Missing Parts & Formalities Letter
<input type="checkbox"/> Extension of Time: <u>                                </u>	<input type="checkbox"/> Response to Written Opinion ( <u>   </u> pgs)
<input checked="" type="checkbox"/> Fee Transmittal (in duplicate)	<input type="checkbox"/> Terminal Disclaimer
<input checked="" type="checkbox"/> IDS & PTO/SB/08 ( <u>   3</u> pgs)	<input type="checkbox"/> Transmittal of Publication Fee Due
<input type="checkbox"/> Other <u>  </u>	<input checked="" type="checkbox"/> Transmittal Letter

**CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8A)**

I hereby certify that this correspondence is being transmitted by facsimile on the date shown below to the United States Patent and Trademark Office.

Pat Sullivan 3/25/2005  
Pat Sullivan Date

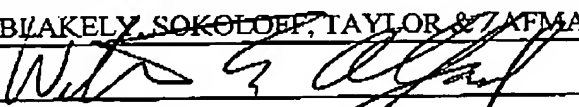
**Confidentiality Note:** The documents accompanying this facsimile transmission contain information from the law firm of Blakely, Sokoloff, Taylor & Zafman which is confidential or privileged. The information is intended to be for the use of the individual or entity named on this transmission sheet. If you are not the intended recipient, be aware that any disclosure, copying, distribution or use of the contents of this faxed information is prohibited. If you have received this facsimile in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.


If you do not receive all the pages, or if there is any difficulty in receiving, please call: (714) 557-3800 and ask for Pat Sullivan.

PK

<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)		10/648,956	
		August 27, 2003	
First Named Inventor		Rajiv Ramaswami	
Art Unit		2874	
Examiner Name		Brian Healy	
Attorney Docket Number		3239P081D2	
Total Number of Pages in This Submission	31		

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> PTO/SB/08 <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">Facsimile Transmittal Sheet</div>
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	William E. Alford, Reg. No. 37,764 <b>BLAKELY, SOKOLOFF, TAYLOR &amp; ZAFMAN LLP</b>
Signature	
Date	March 25, 2005

CERTIFICATE OF MAILING/TRANSMISSION			
I hereby certify that this correspondence is being transmitted via facsimile on the date shown below to the United States Patent and Trademark Office.			
Typed or printed name	Pat Sullivan		
Signature		Date	March 25, 2005

Based on PTO/SB/21 (04-04) as modified by Blakely, Sokoloff, Taylor & Zafman (wtr) 08/04/2004.  
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

# FEE TRANSMITTAL for FY 2005

*Patent fees are subject to annual revision*

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$) 180.00

## Complete if Known

Application Number 10/648,956  
Filing Date August 27, 2003  
First Named Inventor Rajiv Ramaswami  
Examiner Name Brian Healy  
Art Unit 2874  
Attorney Docket No. 3239P081D2

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ None ☐ Other (please identify):

☒ Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayment of fee(s) ☐ Credit any overpayments  
under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.

## FEE CALCULATION

### 1. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
16	20*	50.00	\$0.00
Independent Claims	3	200.00	\$0.00
Multiple Dependent			

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description
1202	2202	25		Claims in excess of 20
1201	2201	100		Independent claims in excess of 3
1203	2203	100		Multiple Dependent claim, if not paid
1204	2204	150		**Reissue independent claims over original patent
1205	2205	150		**Reissue claims in excess of 20 and over original patent
SUBTOTAL (1)				(5) 0.00

\*or number previously paid, if greater. For Reissues, see below

### 2. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	2051	85		Surcharge - late filing fee or oath	
1052	2052	25		Surcharge - late provisional filing fee or cover sheet	
2053	2053	130		Non-English specification	
1251	2251	60		Extension for reply within first month	
1252	2252	225		Extension for reply within second month	
1253	2253	510		Extension for reply within third month	
1254	2254	785		Extension for reply within fourth month	
1255	2255	1,080		Extension for reply within fifth month	
1401	2401	250		Notice of Appeal	
1402	2402	250		Filing a brief in support of an appeal	
1403	2403	500		Request for oral hearing	
1451	2451	1,510		Petition to institute a public use proceeding	
1450	2450	130		Petitions to the Commissioner	
1807	1807	50		Processing fee under 37 CFR 1.17(q)	
1806	1806	180		Submission of Information Disclosure Sheet	
1809	1809	385		Filing a submission after final rejection (37 CFR § 1.128(e))	
1810	2810	395		For each additional invention to be examined (37 CFR § 1.129(b))	
Other fee (specify)				IDS submission fee	180.00
SUBTOTAL (2)				(5) 180.00	

## SUBMITTED BY

Name (Print/Type) William E. Atford

Signature

Registration No.  
(Attorney/Agent)

37,764

Telephone

(714) 557-3800

Date

03/25/05

Based on PTO/SA-17 (12-04) as modified by Blakely, Sokoloff, Taylor & Zafman July 12/15/2004.  
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

<b>FEE TRANSMITTAL for FY 2005</b> <small>Patent fees are subject to annual revision</small>		Complete If Known	
		Application Number	10/648,956
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		Filing Date	August 27, 2003
		First Named Inventor	Rajiv Ramaswami
		Examiner Name	Brian Healy
		Art Unit	2874
		Attorney Docket No.	3239P081D2
TOTAL AMOUNT OF PAYMENT (\$)		180.00	

METHOD OF PAYMENT (check all that apply)	
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> None <input type="checkbox"/> Other (please identify): _____	
<input checked="" type="checkbox"/> Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP	
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee	
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) <input type="checkbox"/> Credit any overpayments	
under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.	

FEE CALCULATION																																																							
1. EXTRA CLAIM FEES																																																							
Total Claims: 16 Independent Claims: 3 Multiple Dependent: _____	Extra Claims: 20 Fee from below: 50.00 Fee Paid: \$0.00																																																						
<table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr> <td>1202 50</td> <td>2202 25</td> <td>Claims in excess of 20</td> </tr> <tr> <td>1201 200</td> <td>2201 100</td> <td>Independent claims in excess of 3</td> </tr> <tr> <td>1203 300</td> <td>2203 180</td> <td>Multiple Dependent claim, if not paid</td> </tr> <tr> <td>1204 300</td> <td>2204 150</td> <td>*Reissue independent claims over original patent</td> </tr> <tr> <td>1205 300</td> <td>2205 150</td> <td>*Reissue claims in excess of 20 and over original patent</td> </tr> <tr> <td colspan="2">SUBTOTAL (1)</td> <td>(5) 0.00</td> </tr> </tbody> </table>		Large Entity	Small Entity	Fee Description	1202 50	2202 25	Claims in excess of 20	1201 200	2201 100	Independent claims in excess of 3	1203 300	2203 180	Multiple Dependent claim, if not paid	1204 300	2204 150	*Reissue independent claims over original patent	1205 300	2205 150	*Reissue claims in excess of 20 and over original patent	SUBTOTAL (1)		(5) 0.00																																	
Large Entity	Small Entity	Fee Description																																																					
1202 50	2202 25	Claims in excess of 20																																																					
1201 200	2201 100	Independent claims in excess of 3																																																					
1203 300	2203 180	Multiple Dependent claim, if not paid																																																					
1204 300	2204 150	*Reissue independent claims over original patent																																																					
1205 300	2205 150	*Reissue claims in excess of 20 and over original patent																																																					
SUBTOTAL (1)		(5) 0.00																																																					
2. ADDITIONAL FEES																																																							
<table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr> <td>1051 130</td> <td>2051 65</td> <td>Surcharge - late filing fee or oath</td> </tr> <tr> <td>1052 50</td> <td>2052 25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> </tr> <tr> <td>2053 130</td> <td>2253 130</td> <td>Non-English specification</td> </tr> <tr> <td>1251 120</td> <td>2251 60</td> <td>Extension for reply within first month</td> </tr> <tr> <td>1252 450</td> <td>2252 225</td> <td>Extension for reply within second month</td> </tr> <tr> <td>1253 1,020</td> <td>2253 510</td> <td>Extension for reply within third month</td> </tr> <tr> <td>1254 1,500</td> <td>2254 795</td> <td>Extension for reply within fourth month</td> </tr> <tr> <td>1255 2,100</td> <td>2255 1,050</td> <td>Extension for reply within fifth month</td> </tr> <tr> <td>1401 500</td> <td>2401 250</td> <td>Notice of Appeal</td> </tr> <tr> <td>1402 500</td> <td>2402 250</td> <td>Filing a brief in support of an appeal</td> </tr> <tr> <td>1403 1,000</td> <td>2403 500</td> <td>Request for oral hearing</td> </tr> <tr> <td>1451 1,510</td> <td>2451 1,510</td> <td>Petition to institute a public use proceeding</td> </tr> <tr> <td>1450 130</td> <td>2460 130</td> <td>Petitions to the Commissioner</td> </tr> <tr> <td>1807 50</td> <td>1807 50</td> <td>Processing fee under 37 CFR 1.17(i)</td> </tr> <tr> <td>1806 180</td> <td>1806 180</td> <td>Submission of Information Disclosure Sheet</td> </tr> <tr> <td>1809 790</td> <td>1809 395</td> <td>Filing a submission after final rejection (37 CFR § 1.129(a))</td> </tr> <tr> <td>1810 790</td> <td>2810 395</td> <td>For each additional invention to be examined (37 CFR § 1.128(b))</td> </tr> </tbody> </table>	Large Entity	Small Entity	Fee Description	1051 130	2051 65	Surcharge - late filing fee or oath	1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	2053 130	2253 130	Non-English specification	1251 120	2251 60	Extension for reply within first month	1252 450	2252 225	Extension for reply within second month	1253 1,020	2253 510	Extension for reply within third month	1254 1,500	2254 795	Extension for reply within fourth month	1255 2,100	2255 1,050	Extension for reply within fifth month	1401 500	2401 250	Notice of Appeal	1402 500	2402 250	Filing a brief in support of an appeal	1403 1,000	2403 500	Request for oral hearing	1451 1,510	2451 1,510	Petition to institute a public use proceeding	1450 130	2460 130	Petitions to the Commissioner	1807 50	1807 50	Processing fee under 37 CFR 1.17(i)	1806 180	1806 180	Submission of Information Disclosure Sheet	1809 790	1809 395	Filing a submission after final rejection (37 CFR § 1.129(a))	1810 790	2810 395	For each additional invention to be examined (37 CFR § 1.128(b))	Fee Paid: 180.00 SUBTOTAL (2) 180.00
Large Entity	Small Entity	Fee Description																																																					
1051 130	2051 65	Surcharge - late filing fee or oath																																																					
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet																																																					
2053 130	2253 130	Non-English specification																																																					
1251 120	2251 60	Extension for reply within first month																																																					
1252 450	2252 225	Extension for reply within second month																																																					
1253 1,020	2253 510	Extension for reply within third month																																																					
1254 1,500	2254 795	Extension for reply within fourth month																																																					
1255 2,100	2255 1,050	Extension for reply within fifth month																																																					
1401 500	2401 250	Notice of Appeal																																																					
1402 500	2402 250	Filing a brief in support of an appeal																																																					
1403 1,000	2403 500	Request for oral hearing																																																					
1451 1,510	2451 1,510	Petition to institute a public use proceeding																																																					
1450 130	2460 130	Petitions to the Commissioner																																																					
1807 50	1807 50	Processing fee under 37 CFR 1.17(i)																																																					
1806 180	1806 180	Submission of Information Disclosure Sheet																																																					
1809 790	1809 395	Filing a submission after final rejection (37 CFR § 1.129(a))																																																					
1810 790	2810 395	For each additional invention to be examined (37 CFR § 1.128(b))																																																					

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	William E. Alford	Registration No. (Attorney/Agent)	37,764
Signature		Telephone	(714) 557-3800
		Date	03/25/05

Based on PTO/SB/17 (12-04) as modified by Blakely, Sokoloff, Taylor & Zafman (pt) 12/15/2004.  
 SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Appl. No. 10/648,956  
Dated 03/25/2005  
Reply to Office Action of 12/28/2004

**RECEIVED**  
**CENTRAL FAX CENTER**  
**MAR 25 2005**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.	:	10/648,956	Confirmation No. 4693
Applicant	:	Rajiv Ramaswami, et al.	
Filed	:	08/27/2003	
Title	:	METHOD AND APPARATUS FOR REGENERATING OPTICAL SIGNALS IN AN ALL-OPTICAL CROSS- CONNECT SWITCH	
TC/A.U.	:	2883	
Examiner	:	Brian Healy	
Docket No.	:	003239.P081D2	
Customer No.	:	8791	
TC/A.U.	:	2874	
Examiner	:	Brian Healy	

RESPONSE TO THE OFFICE ACTION

Commissioner for Patents  
Post Office Box 1450  
Alexandria, VA 22313

Dear Sir:

In response to the Office Action mailed on 12/28/2004,  
please enter the following remarks in the above-identified  
patent application.

SPECIFICATION amendments begin on page 2.

REMARKS begin on page 3.

CONCLUSION and signature is on page 7.

Appendix I is attached hereto after the Conclusion.

Appendix II is attached hereto after Appendix I.

Appendix III is attached hereto after Appendix II.

3239P081D2

-1-